

AMENDMENTS TO THE CLAIMS

1-18. (canceled)

19. (previously presented): Bovine growth hormone produced by a method which comprises culturing cells which contain a recombinant DNA molecule which DNA molecule comprises a nucleotide sequence encoding bovine growth hormone comprising the amino acid sequence at positions 2-191 of Figure 1 or an allelic variant thereof, said encoding nucleotide sequence contained in an expression system effective in producing said encoded bovine growth hormone in a recombinant host cell,

 said culturing under conditions wherein the encoding nucleotide sequence is expressed to produce said bovine growth hormone; and

 recovering the bovine growth hormone from the culture.

20. (previously presented): The bovine growth hormone of claim 19 which comprises the amino acid sequence at positions 2-191 of Figure 1.

21. (previously presented): The bovine growth hormone of claim 19 wherein the cells are *E. coli*.

22. (previously presented): The bovine growth hormone of claim 19 which is in purified and isolated form.